

ABSTRACT OF THE DISCLOSURE

A minimal intrusive cardiac support apparatus is disclosed which requires only one incision into a main blood vessel or heart chamber. The apparatus includes a pair of 5 generally coaxial and slideably arranged cannulae (one inner and one outer) communicatively coupled to a blood pump for providing right-heart and/or left-heart cardiac support during cardiac surgery. Optional balloons may be mounted on the outside of the inner and outer conduits which can be 10 selectively inflated to seal off the sides surrounding vessel or to deliver cooling fluid or medication to the surrounding tissue. Using the apparatus, a method of pumping blood through the body is also disclosed.

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